



MAINFRAME MODERNIZATION THROUGH REHOSTING



Accelerate your data center transformation with Infosys and Hewlett Packard Enterprise.



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It's time to make the leap

As businesses turn to new technologies to drive competitive differentiation, mainframes are increasingly being replaced. Once the backbone of the enterprise, mainframes can no longer keep up with cost-effective, agile environments designed to drive business growth and deliver an enhanced user experience. You need to transition to new, modern technologies using proven approaches and industry-leading expertise to improve agility, accelerate time-to-market, and increase business value. And, to realize the business outcomes you're looking for, you can't afford to wait.

Is your mainframe increasing your risk?

To deliver increased business value and stay relevant in the 21st century, IT needs to rapidly evolve, deploying latest technologies and leveraging available expertise to:

- Unleash the power of data through advanced, predictive analytics
- Enable cost-effective mobile transactions to increase competitive differentiation
- Accelerate the DevOps cycle for increased customer satisfaction
- Leverage consumption-based, as-a-service models to reduce cost and risk

However, legacy mainframe environments just can't keep up. Inflexible, proprietary architectures, high licensing and maintenance costs, a lack of skilled staff, changing regulatory requirements, and

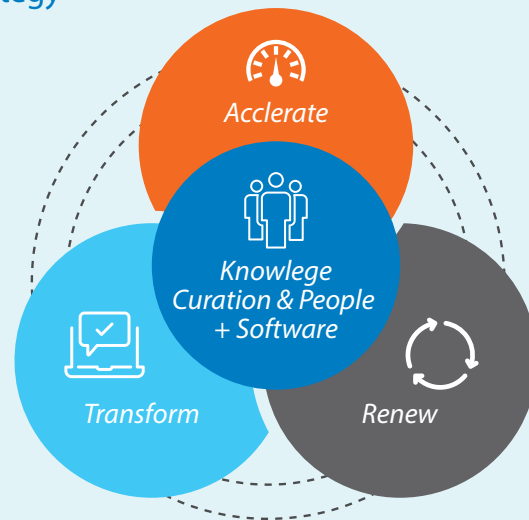
archaic user interfaces often prevent organizations reliant on mainframes from delivering the efficiencies, cost optimization, innovation, and user experience businesses are looking for.

But replacing your mainframe isn't that easy and not always necessary. You need to find a way to modernize your mainframe environment with minimum business disruption. To do that, you need a partner with in-depth knowledge of mainframe technologies, systems, and applications written and enhanced over several decades, supported by industry-leading, next-generation architectures and platforms, a proven approach, and the expertise required to deliver the IT and business outcomes you're looking for.

Simplify modernization by adopting the right strategy

While many enterprises want to modernize their mainframe environment, the risk of impacting core systems and causing downtime—along with a lack of developers with in-depth knowledge of the technologies and systems—often means that modernization projects are either indefinitely postponed or shelved completely.

To address these challenges and modernize your mainframe with minimum disruption, Infosys has developed a unique A-R-T approach:



Accelerate

Focusing on optimizing the cost of running the mainframe and accelerating time to value allows savings to be realized by cutting back on MIPS, lifting and shifting applications to lower cost hardware, reducing the batch window, and decommissioning unused jobs and reports.

Renew

Exploiting the capabilities of Linux on z, DevOps, SOA and API enablement allows mainframe applications to integrate with new user experience channels, improve agility, reduce time-to-market, and improve return on existing investments.

Transform

Strategically migrating applications to next-generation architecture and platforms allow you to take advantage of new open source, microservices, analytics, and other technologies to enable digital transformation.

While this is the broad approach to modernizing mainframes, this paper will focus on rehosting – the Infosys and HPE joint solution to enable clients 'lift and shift' their mainframe applications and realize modernization benefits.

Accelerate modernization through rehosting with

- 30-40% reduction in MIPS
- 25-30% batch acceleration
- 80% cost reduction

Fast-track savings by rehosting to a lower cost platform with Infosys and HPE

A large number of mainframe customers want to bring down cost of operations (reduce MIPS consumption) quickly, and without disruption. This is where 'rehosting' or 'lifting & shifting' workloads to modern, industry-standard HPE infrastructure can help achieve significant cost reduction with lowered risk.

Reusing existing code with no changes to business logic or UI or underlying technology makes moving workloads to newer platforms quicker. HPE's comprehensive infrastructure portfolio delivers similar reliability, availability and serviceability (RAS), but with improved efficiency.

Additionally, use of better productivity tools on the rehosted environment brings down the running cost so much so that it can enable breaking investments even within 12-18 months.

Deliver immediate value with rehosting

Over the last three decades, Infosys has developed deep expertise in evolving, maintaining, and managing complex legacy landscapes. Partnering with HPE for innovative, agile infrastructure consumed on a pay-per-use basis, Infosys offers a seamless, low risk, non-disruptive migration from mainframe to a secure, industry-standard platform that meets most all your compliance requirements along with significant costs savings.

In-depth knowledge and understanding

With over 28,000 mainframe experts, Infosys is the partner of choice when it comes to mainframe modernization. Whether it's complementing or supplementing your in-house resources, Infosys consultants leverage the experience gained in delivering over 900

successful mainframe modernization projects to help ensure that your transformation is smooth, on time, and within budget.

Non-disruptive modernization with a proven approach

Modernizing large, monolithic mainframe applications in non-disruptive ways requires a proven methodology. Infosys has a unique approach that:

- 1) Captures all the information about each mainframe application, including data, dependencies, operational information, and integration requirements.
- 2) Understands the business and IT objectives to ensure that each workload environment is designed to resolve existing problems while realizing their full potential for delivering core capabilities and driving growth.
- 3) Leverages open, intelligent platforms that enable transformation incorporating new user-centric applications, financial models, and software tools, enabling previously unseen levels of data processing, cost performance, and agility.

Following a detailed analysis of your environment, a full-scale migration may not be necessary in all cases. Each workload is carefully analyzed and the new environment architected to ensure the least disruption while delivering the greatest value. For some complex but stable workloads, mainframe optimization or re-hosting in a cloud environment may be preferable to incurring the cost and/or risk of rewriting.

Accelerate modernization through automation

Modernizing large mainframe footprints manually is time consuming and cumbersome. Infosys' suite of best-in-class automation tools and accelerators significantly accelerate knowledge discovery, optimization, modernization, migration, and testing. When combined with Infosys expertise and experience, automation can reduce the time required for your mainframe modernization project by up to 30%.

Reduce risk with industry-leading platforms

Re-hosting mainframe workloads on modern, industry-standard HPE hardware

and operating systems often provides the lowest risk for the business. By reusing existing code—with no changes in business logic or user interfaces—workloads can be quickly moved to new software-defined or composable platforms with minimal. HPE offers a comprehensive infrastructure portfolio that delivers equivalent RAS to the mainframe, but with increased performance at scale, simpler manageability, and increased efficiencies for improved economics.

Limit CAPEX investment with pay-per-use pricing

Pay-per-use, consumption-based pricing for hardware infrastructure allows you to align your investment to return. By eliminating upfront expense, HPE Flexible Capacity allows you to modernize your mainframe applications at your own pace and in line with your expected business outcomes. Pay-as-you-go pricing for hardware infrastructure from HPE also enables you to scale up quickly and innovate rapidly, with functionality added as you expand operations or migrate to new applications.

Infosys mainframe modernization on HPE infrastructure enables you to:

- Focus on your core business rather than on managing your mainframe
- Accelerate DevOps to help ensure competitive differentiation
- Simplify deployment with simple, automated infrastructure as code
- Optimize performance with infrastructure composed for the workload
- Eliminate upfront investment and reduce total cost of ownership
- Shift CAPEX to OPEX with consumption-based pricing for hardware infrastructure from HPE
- Improve security and compliance

Choose the mission-critical platform that's right for you

HPE has a comprehensive portfolio of infrastructure solutions delivering the performance, reliability, and availability you're accustomed to—and more:

Agility: Shorter development cycles and improved quality with advanced tooling in integrated development environments.

Flexibility: Scale cost-effectively and leverage better application development capabilities.

Choice of applications: Thousands of up-to-date applications, offering greater choice to meet your IT and business needs.

Utilization: Virtualization tools allow you to consolidate workloads and improve overall level of utilization.

Operating costs: Reduce costs by 50% or more for systems of comparable capacity, with greater performance in a smaller footprint using less power.

Flexible capacity: Pay-as-you-go pricing for your project hardware allows you to eliminate upfront costs, shift CAPEX to OPEX, and scale up as your business demands.

Skills availability: Staffing needs are much easier to meet when you run workloads on Intel-based servers.

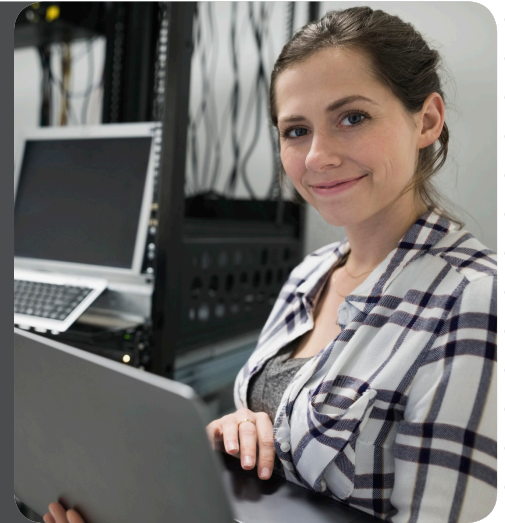
Realize your full potential by modernizing your mainframe

Taking advantage of Infosys' mainframe modernization services and HPE technologies offers you the ability to:

- Leverage in-depth knowledge and understanding of the mainframe IT landscape
- Modernize large monolithic mainframe applications with minimum disruption
- Accelerate your modernization project with best-in-class automation

- Reduce risk while transitioning from your current state to a next-generation architecture
- Modernize your application landscape without significant CAPEX investment

Whether you're just beginning your mainframe modernization journey or well on your way, HPE and Infosys can help you build the platform you need to realize the business outcomes you desire.



Learn more: www.infosys.com/modernization

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